ELSEVIER

1 November 2001

Optics Communications 198 (2001) 465–471

OPTICS COMMUNICATIONS

www.elsevier.com/locate/optcom

Author index to volume 198

Aalto, T., see Tervo, J. 198 (2001) 265
Abdulhalim, I., see Lusk, D. 198 (2001) 273
Aleksiejūnas, R., M. Sūdžius and K. Jarašiūnas, Direct determination of EL2 thermal recovery rate at 300 K 198 (2001) 115

Bae, Y.-S., see Jin, S. 198 (2001) 57
Baudon, J., see Boustimi, M. 198 (2001) 389
Belić, M.R., D. Vujić, O. Sandfuchs and F. Kaiser, Two-zone double phase conjugate mirror 198 (2001) 217
Blanchard-Desce, M., see Reyes-Esqueda, J. 198 (2001) 207
Boczar, B., see Mirov, S.B. 198 (2001) 403
Boilot, J.P., see Reyes-Esqueda, J. 198 (2001) 207
Bonnel, L., see Chanclou, P. 198 (2001) 121
Boquillon, J.-P., see Georgiou, E. 198 (2001) 147
Bourdet, G.L., New evaluation of ytterbium-doped materials for CW laser applications 198 (2001) 411
Boustimi, M., J. Baudon and J. Robert, Reconciliation of additional-boundary condition and eigenmode treatments of the non-local response of a small sphere 198 (2001) 389
Bozhevolnyi, S.I. and V.S. Volkov, Multiple-scattering dipole approach to modeling of surface plasmon polariton band gap structures 198 (2001) 241
Brun, A., see Reyes-Esqueda, J. 198 (2001) 207
Brunel, M., see Hideur, A. 198 (2001) 141

Canva, M., see Reyes-Esqueda, J. 198 (2001) 207
Capobianco, A.-D. and A. Tonello, Dispersion-managed soliton control with narrow-bandpass filters and energy enhancement 198 (2001) 177
Cervantes, M.A., see Lipovka, A.A. 198 (2001) 101
Chanclou, P., P. Gravey, L. Bonnel and M. Thual, Matrix of 8×8 single-mode fibers with micro-optics 198 (2001) 121
Chang, S., see Song, Y.G. 198 (2001) 7
Chaput, F., see Reyes-Esqueda, J. 198 (2001) 207
Chartier, T., see Hideur, A. 198 (2001) 141
Cheng, X., see Zhou, G. 198 (2001) 407
Collecutt, G.R. and P.D. Drummond, Parametric signal regeneration 198 (2001) 439
Costantino, S., A.R. Libertun, P. Do Campo, J.R. Torga and O.E. Martínez, Fast scanner with position monitor for large optical delays 198 (2001) 287

PII: S0030-4018(01)01576-0

Damzen, M.J., see Omatsu, T. 198 (2001) 135
Dane, B., see Rotter, M.D. 198 (2001) 155
Darracq, B., see Reyes-Esqueda, J. 198 (2001) 207
Deng, L., M.G. Payne and E.W. Hagley, Propagation of light pulse in an ultra-cold atomic vapor: mechanism for the loss of the probe field 198 (2001) 129
Denker, B., see Georgiou, E. 198 (2001) 147
Destouches, N., C.-A. Guérin, M. Lequime and H. Giovannini, Determination of the phase of the diffracted field in the optical domain Application to the reconstruction of surface profiles 198 (2001) 233
Ding, Y.J., see Zotova, I.B. 198 (2001) 453
Do Campo, P., see Costantino, S. 198 (2001) 287
Dragomir, A., see Isaenko, L.I. 198 (2001) 433
Drummond, P.D., see Collecutt, G.R. 198 (2001) 439
Dubik, B. see Masajada, J. 198 (2001) 21

Fan, C., see Wang, S. 198 (2001) 65
Fang, Q., see Zhou, G. 198 (2001) 407
Fedorov, V.V., see Mirov, S.B. 198 (2001) 403
Feurer, T., see Michelmann, K. 198 (2001) 163
Förster, E., see Michelmann, K. 198 (2001) 163
Frost, R., see Mirov, S.B. 198 (2001) 403
Fuji, T., see Yabushita, A. 198 (2001) 227
Fujii, K., Changes of dispersion relations for TE-mode in three-layer slab waveguides by the imaginary parts of refractive indices of cladding layers 198 (2001) 379

Gál, K. and S. Varró, Polarization properties of high harmonics generated on solid surfaces 198 (2001) 419
Galstian, T., see Schulte, A. 198 (2001) 125
Gan, F., see Liu, Q. 198 (2001) 187
García-Macedo, J., see Reyes-Esqueda, J. 198 (2001) 207
García-Weidner, A., see Khomenko, A.V. 198 (2001) 29
García-Zárate, M.A., see Khomenko, A.V. 198 (2001) 29
Georgiou, E., O. Musset, J.-P. Boquillon, B. Denker and S.E. Sverchkov, 50 mJ/30 ns FTIR Q-switched diode-pumped Er:Yb:glass 1.54 μm laser 198 (2001) 147
Giovannini, H., see Destouches, N. 198 (2001) 233
Girardeau-Montaut, C., see Girardeau-Montaut, J.-P. 198 (2001) 1
Girardeau-Montaut, J.-P. and C. Girardeau-Montaut, X-ray microball refractive optics 198 (2001) 1
Gravey, P., see Chanclou, P. 198 (2001) 121
Grigoryan, G.G. and Y.T. Pashayan, Adiabatic population transfer in three-level system with non-zero two-photon detuning 198 (2001) 107
Guérin, C.-A., see Destouches, N. 198 (2001) 233

Hagley, E.W., see Deng, L. 198 (2001) 129
Halme, S.J., see Mutafungwa, E. 198 (2001) 339
Hamel, V., see Schulte, A. 198 (2001) 125

Han, B.M., see Song, Y.G. 198 (2001) 7
Heimala, P., see Tervo, J. 198 (2001) 265
Hideur, A., T. Chartier, M. Brunel, M. Salhi, C. Özkul and F. Sanchez, Mode-lock, Q-switch and CW operation of an Yb-doped double-clad fiber ring laser 198 (2001) 141
Hirao, K., see Liu, Q. 198 (2001) 187
Hizanidis, K., see Manousakis, M. 198 (2001) 351
Hu, X.-B., see Jiang, H.-D. 198 (2001) 447

Isaenko, L.I., A. Dragomir, J.G. McInerney and D.N. Nikogosyan, Anisotropy of two-photon absorption in BBO at 264 nm 198 (2001) 433
Jarašiūnas, K., see Aleksiejūnas, R. 198 (2001) 115
Jiang, H.-D., H.-J. Zhang, J.-Y. Wang, H.-R. Xia, X.-B. Hu, B. Teng and C.-Q. Zhang, Optical and laser properties of Nd:$GdVO_4$ crystal 198 (2001) 447
Jiang, M., see Zhou, G. 198 (2001) 407
Jin, S., Y.-S. Bae and S.-Y. Lee, Holographic data storage with fractional Fourier transform 198 (2001) 57

Kaiser, F., see Belić, M.R. 198 (2001) 217
Khashan, M.A. and A.Y. Nassif, A simple method of determining the dispersion of a solid material from the reflectance interferogram of sheet material 198 (2001) 247
Khomenko, A.V., A. García-Weidner, J. Tapia-Mercado and M.A. García-Zárate, High-resolution fast response fiber-optic laser calorimeter using a twin interferometric temperature sensor 198 (2001) 29
Kim, B.G. and B.K. Rhee, Determination of photovoltaic constant and photoconductivity in $LiNbO_3$:Fe using Maker fringes 198 (2001) 193
Kobayashi, T., see Yabushita, A. 198 (2001) 227
Kohn, V., I. Snigireva and A. Snigirev, Interferometric characterization of spatial coherence of high energy synchrotron X-rays 198 (2001) 293
Kopriva, I., see Szu, H. 198 (2001) 71
Kuittinen, M., see Tervo, J. 198 (2001) 265

Lahlil, K., see Reyes-Esqueda, J. 198 (2001) 207
Lee, C.-C., see Tien, C.-L. 198 (2001) 325
Lee, C.G., see Lee, H.J. 198 (2001) 37
Lee, H.J., C.G. Lee and C.-S. Park, All-optical frequency multiplication/recovery based on a repetitive pulse intensity matching 198 (2001) 37
Lee, J.-Y. and D.-C. Su, Central fringe identification by phase quadrature interferometric technique and tunable laser-diode 198 (2001) 333
Lee, K.S., Coupling analysis of spiral fiber gratings 198 (2001) 317
Lee, S.-Y., see Jin, S. 198 (2001) 57
Leppihalme, M., see Tervo, J. 198 (2001) 265
Lequime, M., see Destouches, N. 198 (2001) 233
Lévy, Y., see Reyes-Esqueda, J. 198 (2001) 207
Libertun, A.R., see Costantino, S. 198 (2001) 287

Lin, Q., Z. Wang and Z. Liu, Radiation forces produced by standing wave trapping of non-paraxial Gaussian beams 198 (2001) 95
Lipovka, A.A. and M.A. Cervantes, Toroidal optical dipole grating 198 (2001) 101
Lipson, S.G., see Mendlovic, D. 198 (2001) 311
Liu, Q., X. Zhao, K. Tanaka, A. Narazaki, K. Hirao and F. Gan, Second-harmonic generation in Ge–As–S glasses by electron beam irradiation and analysis of the poling mechanism 198 (2001) 187
Liu, W., see Liu, Y. 198 (2001) 369
Liu, Y., W. Liu and Y. Zhang, Inspection of defects in optical fibers based on back-propagation neural networks 198 (2001) 369
Liu, Z., see Lin, Q. 198 (2001) 95
Lusk, D., I. Abdulhalim and F. Placido, Omnidirectional reflection from Fibonacci quasi-periodic one-dimensional photonic crystal 198 (2001) 273

Manousakis, M., P. Papagiannis, N. Moshonas and K. Hizanidis, Propagation of Pereira–Stenflo type pulses in a dispersion varying link: variational approach 198 (2001) 351
Martínez, O.E., see Costantino, S. 198 (2001) 287
Martí-Panameño, E., see Vysloukh, V.A. 198 (2001) 171
Masajada, J. and B. Dubik, Optical vortex generation by three plane wave interference 198 (2001) 21
McInerney, J.G., see Isaenko, L.I. 198 (2001) 433
Meissner, P., see Merker, T. 198 (2001) 41
Mendlovic, D., G. Shabtay, Z. Zalevsky and S.G. Lipson, The optimal system for sub-wavelength point source localization 198 (2001) 311
Merker, T., A. Schwarzbeck and P. Meissner, PMD compensation up to second order by tracking the principle states of polarization using a two-section compensator 198 (2001) 41
Mestechkin, M.M., Theoretical estimation of nonlinear optical properties of Langmuir–Blodgett films 198 (2001) 199
Michelmann, K., U. Wagner, T. Feurer, U. Teubner, E. Förster and R. Sauerbrey, Measurement of the Page function of an ultrashort laser pulse 198 (2001) 163
Mirov, S.B., V.V. Fedorov, B. Boczar, R. Frost and B. Pryor, All-solid-state laser system tunable in deep ultraviolet based on sum-frequency generation in CLBO 198 (2001) 403
Morita, H., see Yamada, K. 198 (2001) 395
Moshonas, N., see Manousakis, M. 198 (2001) 351
Musset, O., see Georgiou, E. 198 (2001) 147
Mutafungwa, E. and S.J. Halme, On the use of optical spreading codes to design DWDM systems with reduced FWM crosstalk 198 (2001) 339

Narazaki, A., see Liu, Q. 198 (2001) 187
Nassif, A.Y., see Khashan, M.A. 198 (2001) 247
Nikogosyan, D.N., see Isaenko, L.I. 198 (2001) 433
Notomi, M., see Yamada, K. 198 (2001) 395

Ogawa, K. and M.D. Pelusi, Characterisation of ultrashort optical pulses in a dispersion-managed fibre link using two-photon absorption frequency-resolved optical gating 198 (2001) 83

Omatsu, T. and M.J. Damzen, Multi-watt CW output from a double-pass diode side-pumped Nd:YVO_4 amplifier with a Rh:$BaTiO_3$ phase conjugator 198 (2001) 135
Özkul, C., see Hideur, A. 198 (2001) 141

Papagiannis, P., see Manousakis, M. 198 (2001) 351
Park, C.-S., see Lee, H.J. 198 (2001) 37
Pas'ko, V.A., M.S. Soskin and M.V. Vasnetsov, Transversal optical vortex 198 (2001) 49
Pashayan, Y.T., see Grigoryan, G.G. 198 (2001) 107
Payne, M.G., see Deng, L. 198 (2001) 129
Pelusi, M.D., see Ogawa, K. 198 (2001) 83
Placido, F., see Lusk, D. 198 (2001) 273
Pryor, B., see Mirov, S.B. 198 (2001) 403
Pyragaite, V., K. Regelskis, V. Smilgevicius and A. Stabinis, Noncollinear interaction of optical vortices in Kerr nonlinear medium 198 (2001) 459

Regelskis, K., see Pyragaite, V. 198 (2001) 459
Reyes-Esqueda, J., B. Darracq, J. García-Macedo, M. Canva, M. Blanchard-Desce, F. Chaput, K. Lahlil, J.P. Boilot, A. Brun and Y. Lévy, Effect of chromophore–chromophore electrostatic interactions in the NLO response of functionalized organic–inorganic sol–gel materials 198 (2001) 207
Rhee, B.K., see Kim, B.G. 198 (2001) 193
Richardson, K., see Schulte, A. 198 (2001) 125
Rivero, C., see Schulte, A. 198 (2001) 125
Robert, J., see Boustimi, M. 198 (2001) 389
Rotter, M.D. and B. Dane, Measuring the stimulated-emission cross-section: a case study in Nd:GGG 198 (2001) 155

Salhi, M., see Hideur, A. 198 (2001) 141
Sanchez, F., see Hideur, A. 198 (2001) 141
Sandfuchs, O., see Belić, M.R. 198 (2001) 217
Sauerbrey, R., see Michelmann, K. 198 (2001) 163
Schulte, A., C. Rivero, K. Richardson, K. Turcotte, V. Hamel, A. Villeneuve, T. Galstian and R. Vallee, Bulk-film structural differences of chalcogenide glasses probed in situ by near-infrared waveguide Raman spectroscopy 198 (2001) 125
Schwarzbeck, A., see Merker, T. 198 (2001) 41
Shabtay, G., see Mendlovic, D. 198 (2001) 311
Shao, Z., see Zhou, G. 198 (2001) 407
Shinya, A., see Yamada, K. 198 (2001) 395
Smilgevicius, V., see Pyragaite, V. 198 (2001) 459
Snigirev, A., see Kohn, V. 198 (2001) 293
Snigireva, I., see Kohn, V. 198 (2001) 293
Song, Y.G., B.M. Han and S. Chang, Force of surface plasmon-coupled evanescent fields on Mie particles 198 (2001) 7
Soskin, M.S., see Pas'ko, V.A. 198 (2001) 49
Stabinis, A., see Pyragaite, V. 198 (2001) 459

Su, D.-C., see Lee, J.-Y. 198 (2001) 333
Sūdžius, M., see Aleksiejūnas, R. 198 (2001) 115
Sun, W.-S., see Tien, C.-L. 198 (2001) 325
Sverchkov, S.E., see Georgiou, E. 198 (2001) 147
Szu, H. and I. Kopriva, Artificial neural networks for noisy image super-resolution 198 (2001) 71

Tanaka, K., see Liu, Q. 198 (2001) 187
Tapia-Mercado, J., see Khomenko, A.V. 198 (2001) 29
Teng, B., see Jiang, H.-D. 198 (2001) 447
Tervo, J., M. Kuittinen, P. Vahimaa, J. Turunen, T. Aalto, P. Heimala and M. Leppihalme, Efficient Bragg waveguide-grating analysis by quasi-rigorous approach based on Redheffer's star product 198 (2001) 265
Teubner, U., see Michelmann, K. 198 (2001) 163
Thual, M., see Chanclou, P. 198 (2001) 121
Tien, C.-L., C.-C. Lee, Y.-L. Tsai and W.-S. Sun, Determination of the mechanical properties of thin films by digital phase shifting interferometry 198 (2001) 325
Tonello, A., see Capobianco, A.-D. 198 (2001) 177
Torga, J.R., see Costantino, S. 198 (2001) 287
Tsai, Y.-L., see Tien, C.-L. 198 (2001) 325
Turcotte, K., see Schulte, A. 198 (2001) 125
Turunen, J., see Tervo, J. 198 (2001) 265

Vahimaa, P., see Tervo, J. 198 (2001) 265
Vallee, R., see Schulte, A. 198 (2001) 125
Varró, S., see Gál, K. 198 (2001) 419
Vasnetsov, M.V., see Pas'ko, V.A. 198 (2001) 49
Vigoureux, J.M., Analysis of the Ebbesen experiment in the light of evanescent short range diffraction 198 (2001) 257
Villeneuve, A., see Schulte, A. 198 (2001) 125
Volkov, V.S., see Bozhevolnyi, S.I. 198 (2001) 241
Vujić, D., see Belić, M.R. 198 (2001) 217
Vysloukh, V.A. and E. Martí-Panameño, Resonant Raman perturbations of the femtosecond soliton parameters 198 (2001) 171

Wagner, U., see Michelmann, K. 198 (2001) 163
Wang, D., see Zhou, G. 198 (2001) 407
Wang, G., see Zhu, L. 198 (2001) 89
Wang, J.-Y., see Jiang, H.-D. 198 (2001) 447
Wang, S. and C. Fan, Distributed fiber Raman amplifiers: analytical expression of noise characteristics under complex conditions 198 (2001) 65
Wang, S., see Zhao, D. 198 (2001) 281
Wang, X., see Zhou, G. 198 (2001) 407
Wang, Z., see Lin, Q. 198 (2001) 95

Xia, H.-R., see Jiang, H.-D. 198 (2001) 447

Xia, L., see Zhu, L. 198 (2001) 89
Xie, S., see Zhu, L. 198 (2001) 89
Xu, X., see Zhou, G. 198 (2001) 407

Yabushita, A., T. Fuji and T. Kobayashi, SHG FROG and XFROG methods for phase/intensity characterization of pulses propagated through an absorptive optical medium 198 (2001) 227
Yamada, K., H. Morita, A. Shinya and M. Notomi, Improved line-defect structures for photonic-crystal waveguides with high group velocity 198 (2001) 395

Zalevsky, Z., see Mendlovic, D. 198 (2001) 311
Zhang, C.-Q., see Jiang, H.-D. 198 (2001) 447
Zhang, H.-J., see Jiang, H.-D. 198 (2001) 447
Zhang, Y., see Liu, Y. 198 (2001) 369
Zhao, D. and S. Wang, Effect of misalignment on optical fractional Fourier transforming systems 198 (2001) 281
Zhao, X., see Liu, Q. 198 (2001) 187
Zhao, X., see Zhou, G. 198 (2001) 407
Zhou, G., D. Wang, X. Wang, X. Xu, X. Cheng, Z. Shao, X. Zhao, Q. Fang and M. Jiang, Temporal and spectral properties of two-photon pumped upconverted fluorescence and cavity lasing of an organic dye PSPI 198 (2001) 407
Zhu, L., G. Wang, L. Xia and S. Xie, System simulation of dispersion compensation with specially sampled fiber Bragg grating 198 (2001) 89
Zotova, I.B. and Y.J. Ding, Optical parametric oscillators in the presence of strong two-photon absorption for extended applications of nonlinear optical materials 198 (2001) 453

ELSEVIER

1 November 2001

Optics Communications 198 (2001) 473–476

OPTICS COMMUNICATIONS

www.elsevier.com/locate/optcom

Subject index to volume 198

Editorial Guidelines and Instructions to Authors v

Propagation and scattering

J.-P. Girardeau-Montaut and C. Girardeau-Montaut, X-ray microball refractive optics 1

Y.G. Song, B.M. Han and S. Chang, Force of surface plasmon-coupled evanescent fields on Mie particles 7

J. Masajada and B. Dubik, Optical vortex generation by three plane wave interference 21

N. Destouches, C.-A. Guérin, M. Lequime and H. Giovannini, Determination of the phase of the diffracted field in the optical domain Application to the reconstruction of surface profiles 233

S.I. Bozhevolnyi and V.S. Volkov, Multiple-scattering dipole approach to modeling of surface plasmon polariton band gap structures 241

M.A. Khashan and A.Y. Nassif, A simple method of determining the dispersion of a solid material from the reflectance interferogram of sheet material 247

J.M. Vigoureux, Analysis of the Ebbesen experiment in the light of evanescent short range diffraction 257

J. Tervo, M. Kuittinen, P. Vahimaa, J. Turunen, T. Aalto, P. Heimala and M. Leppihalme, Efficient Bragg waveguide-grating analysis by quasi-rigorous approach based on Redheffer's star product 265

D. Lusk, I. Abdulhalim and F. Placido, Omnidirectional reflection from Fibonacci quasi-periodic one-dimensional photonic crystal 273

D. Zhao and S. Wang, Effect of misalignment on optical fractional Fourier transforming systems 281

S. Costantino, A.R. Libertun, P. Do Campo, J.R. Torga and O.E. Martínez, Fast scanner with position monitor for large optical delays 287

V. Kohn, I. Snigireva and A. Snigirev, Interferometric characterization of spatial coherence of high energy synchrotron X-rays 293

D. Mendlovic, G. Shabtay, Z. Zalevsky and S.G. Lipson, The optimal system for sub-wavelength point source localization 311

K.S. Lee, Coupling analysis of spiral fiber gratings 317

PII: S0030-4018(01)01577-2

Optical information, image formation and analysis, optical computing

A.V. Khomenko, A. García-Weidner, J. Tapia-Mercado and M.A. García-Zárate, High-resolution fast response fiber-optic laser calorimeter using a twin interferometric temperature sensor 29

C.-L. Tien, C.-C. Lee, Y.-L. Tsai and W.-S. Sun, Determination of the mechanical properties of thin films by digital phase shifting interferometry 325

J.-Y. Lee and D.-C. Su, Central fringe identification by phase quadrature interferometric technique and tunable laser-diode 333

Optical communications

H.J. Lee, C.G. Lee and C.-S. Park, All-optical frequency multiplication/recovery based on a repetitive pulse intensity matching 37

T. Merker, A. Schwarzbeck and P. Meissner, PMD compensation up to second order by tracking the principle states of polarization using a two-section compensator 41

V.A. Pas'ko, M.S. Soskin and M.V. Vasnetsov, Transversal optical vortex 49

S. Jin, Y.-S. Bae and S.-Y. Lee, Holographic data storage with fractional Fourier transform 57

S. Wang and C. Fan, Distributed fiber Raman amplifiers: analytical expression of noise characteristics under complex conditions 65

H. Szu and I. Kopriva, Artificial neural networks for noisy image super-resolution 71

K. Ogawa and M.D. Pelusi, Characterisation of ultrashort optical pulses in a dispersion-managed fibre link using two-photon absorption frequency-resolved optical gating 83

L. Zhu, G. Wang, L. Xia and S. Xie, System simulation of dispersion compensation with specially sampled fiber Bragg grating 89

E. Mutafungwa and S.J. Halme, On the use of optical spreading codes to design DWDM systems with reduced FWM crosstalk 339

M. Manousakis, P. Papagiannis, N. Moshonas and K. Hizanidis, Propagation of Pereira–Stenflo type pulses in a dispersion varying link: variational approach 351

Y. Liu, W. Liu and Y. Zhang, Inspection of defects in optical fibers based on back-propagation neural networks 369

K. Fujii, Changes of dispersion relations for TE-mode in three-layer slab waveguides by the imaginary parts of refractive indices of cladding layers 379

Atomic and molecular physics

Q. Lin, Z. Wang and Z. Liu, Radiation forces produced by standing wave trapping of non-paraxial Gaussian beams 95

A.A. Lipovka and M.A. Cervantes, Toroidal optical dipole grating 101

G.G. Grigoryan and Y.T. Pashayan, Adiabatic population transfer in three-level system with non-zero two-photon detuning 107

R. Aleksiejūnas, M. Sūdžius and K. Jarašiūnas, Direct determination of EL2 thermal recovery rate at 300 K 115

P. Chanclou, P. Gravey, L. Bonnel and M. Thual, Matrix of 8 × 8 single-mode fibers with micro-optics 121

Condensed matter

A. Schulte, C. Rivero, K. Richardson, K. Turcotte, V. Hamel, A. Villeneuve, T. Galstian and R. Vallee, Bulk-film structural differences of chalcogenide glasses probed in situ by near-infrared waveguide Raman spectroscopy 125

M. Boustimi, J. Baudon and J. Robert, Reconciliation of additional-boundary condition and eigenmode treatments of the non-local response of a small sphere 389

Quantum optics

L. Deng, M.G. Payne and E.W. Hagley, Propagation of light pulse in an ultra-cold atomic vapor: mechanism for the loss of the probe field 129

K. Yamada, H. Morita, A. Shinya and M. Notomi, Improved line-defect structures for photonic-crystal waveguides with high group velocity 395

Laser physics and laser sources

T. Omatsu and M.J. Damzen, Multi-watt CW output from a double-pass diode side-pumped Nd:YVO_4 amplifier with a Rh:$BaTiO_3$ phase conjugator 135

A. Hideur, T. Chartier, M. Brunel, M. Salhi, C. Özkul and F. Sanchez, Mode-lock, Q-switch and CW operation of an Yb-doped double-clad fiber ring laser 141

E. Georgiou, O. Musset, J.-P. Boquillon, B. Denker and S.E. Sverchkov, 50 mJ/30 ns FTIR Q-switched diode-pumped Er:Yb:glass 1.54 μm laser 147

M.D. Rotter and B. Dane, Measuring the stimulated-emission cross-section: a case study in Nd:GGG 155

K. Michelmann, U. Wagner, T. Feurer, U. Teubner, E. Förster and R. Sauerbrey, Measurement of the Page function of an ultrashort laser pulse 163

S.B. Mirov, V.V. Fedorov, B. Boczar, R. Frost and B. Pryor, All-solid-state laser system tunable in deep ultraviolet based on sum-frequency generation in CLBO 403

G. Zhou, D. Wang, X. Wang, X. Xu, X. Cheng, Z. Shao, X. Zhao, Q. Fang and M. Jiang, Temporal and spectral properties of two-photon pumped upconverted fluorescence and cavity lasing of an organic dye PSPI 407

G.L. Bourdet, New evaluation of ytterbium-doped materials for CW laser applications 411

Nonlinear optics

V.A. Vysloukh and E. Martí-Panameño, Resonant Raman perturbations of the femtosecond soliton parameters 171

A.-D. Capobianco and A. Tonello, Dispersion-managed soliton control with narrow-bandpass filters and energy enhancement 177

Q. Liu, X. Zhao, K. Tanaka, A. Narazaki, K. Hirao and F. Gan, Second-harmonic generation in Ge–As–S glasses by electron beam irradiation and analysis of the poling mechanism 187

B.G. Kim and B.K. Rhee, Determination of photovoltaic constant and photoconductivity in $LiNbO_3$:Fe using Maker fringes 193

M.M. Mestechkin, Theoretical estimation of nonlinear optical properties of Langmuir–Blodgett films 199

J. Reyes-Esqueda, B. Darracq, J. García-Macedo, M. Canva, M. Blanchard-Desce, F. Chaput, K. Lahlil, J.P. Boilot, A. Brun and Y. Lévy, Effect of chromophore–chromophore electrostatic interactions in the NLO response of functionalized organic–inorganic sol–gel materials 207

M.R. Belić, D. Vujić, O. Sandfuchs and F. Kaiser, Two-zone double phase conjugate mirror 217

A. Yabushita, T. Fuji and T. Kobayashi, SHG FROG and XFROG methods for phase/intensity characterization of pulses propagated through an absorptive optical medium 227

K. Gál and S. Varró, Polarization properties of high harmonics generated on solid surfaces 419

L.I. Isaenko, A. Dragomir, J.G. McInerney and D.N. Nikogosyan, Anisotropy of two-photon absorption in BBO at 264 nm 433

G.R. Collecutt and P.D. Drummond, Parametric signal regeneration 439

H.-D. Jiang, H.-J. Zhang, J.-Y. Wang, H.-R. Xia, X.-B. Hu, B. Teng and C.-Q. Zhang, Optical and laser properties of Nd:$GdVO_4$ crystal 447

I.B. Zotova and Y.J. Ding, Optical parametric oscillators in the presence of strong two-photon absorption for extended applications of nonlinear optical materials 453

V. Pyragaite, K. Regelskis, V. Smilgevicius and A. Stabinis, Noncollinear interaction of optical vortices in Kerr nonlinear medium 459